



IFWO

RAW SEQUENCE LISTING

DATE: 08/20/2004

PATENT APPLICATION: US/10/696,019A

TIME: 11:53:45

Input Set : A:\pto.lm.txt

Output Set: N:\CRF4\08202004\J696019A.raw

3 <110> APPLICANT: Alleman, Arthur
 4 Barbet, Anthony
 6 <120> TITLE OF INVENTION: Polynucleotides and Polypeptides of Anaplasma
 Phagocytophilum And Methods
 7 of Using the Same

9 <130> FILE REFERENCE: UF-387

C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/696,019A

C--> 11 <141> CURRENT FILING DATE: 2003-10-28

11 <160> NUMBER OF SEQ ID NOS: 4

13 <170> SOFTWARE: PatentIn version 3.2

15 <210> SEQ ID NO: 1

16 <211> LENGTH: 742

17 <212> TYPE: DNA

18 <213> ORGANISM: Anaplasma phagocytophilum

21 <220> FEATURE:

22 <221> NAME/KEY: misc_feature

23 <222> LOCATION: (29)..(250)

24 <223> OTHER INFORMATION: Coding sequence of processed MSP5 polypeptide

26 <220> FEATURE:

27 <221> NAME/KEY: misc_feature

28 <222> LOCATION: (29)..(610)

29 <223> OTHER INFORMATION: 5' and 3' ends of cloned MSP5 insert

31 <400> SEQUENCE: 1

32 aaataaggag gaataaacca tggcccttac tgtgtttctg gggatttcgt atgttaacaa	60
34 aaaggaata ttcagtga ca tgggtgctaa attaagtagt actgacactg tggttgaaca	120
36 agcgccgata ttggcttctt ttactgatct gataaatcaa gaaggtcagg ttgttagtag	180
38 cactgatttt gctgggaagc acatgttgct tatgttcggc ttttcttcac gcaagcacat	240
40 atgtcctgcg gaacttggtg tggatcgcga acttttaaac aagttgggtg agactgctga	300
42 taaacttcaa gctgttttca taactattga tcccaaaaat gacactgttg aaagggttaa	360
44 tgagtatcac aaagcctttg atagtcgaat tcagatgctg actggggatg aggaagttat	420
46 tcgcaatgta gtgaataatt ataaggata cgtagggtgag tctgatagtg aaggagatat	480
48 taatcactca tcgtttttgt acttggttga tgccgacgga agatatgtag ggcattttgc	540
50 tcttgatttt gatgaatacg aaagtcaagt aggtagactt tttgatttcg ttaataagta	600
52 ccctacttct aagggcgaat tcgaagctta cgtagaacaa aaactcatct cagaagagga	660
54 tctgaatagc gccgtcgacc atcatcatca tcatcattga gtttaaacgg tctccagctt	720
56 ggctgttttg gcggatgaga ga	742

59 <210> SEQ ID NO: 2

60 <211> LENGTH: 74

61 <212> TYPE: PRT

62 <213> ORGANISM: Anaplasma phagocytophilum

64 <400> SEQUENCE: 2

66 Thr Val Phe Leu Gly Tyr Ser Tyr Val Asn Lys Lys Gly Ile Phe Ser

67 1 5 10 15

70 Asp Met Gly Ala Lys Leu Ser Ser Thr Asp Thr Val Val Glu Gln Ala

ENTERED

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71          20          25          30
74 Pro Ile Leu Ala Ser Phe Thr Asp Leu Ile Asn Gln Glu Gly Gln Val
75          35          40          45
78 Val Ser Ser Thr Asp Phe Ala Gly Lys His Met Leu Leu Met Phe Gly
79          50          55          60
82 Phe Ser Ser Cys Lys His Ile Cys Pro Ala
83 65          70
86 <210> SEQ ID NO: 3
87 <211> LENGTH: 89
88 <212> TYPE: PRT
89 <213> ORGANISM: Anaplasma phagocytophilum
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97 Val Phe Leu Gly Tyr Ser Tyr Val Asn Lys Lys Gly Ile Phe Ser Asp
98          20          25          30
101 Met Gly Ala Lys Leu Ser Ser Thr Asp Thr Val Val Glu Gln Ala Pro
102          35          40          45
105 Ile Leu Ala Ser Phe Thr Asp Leu Ile Asn Gln Glu Gly Gln Val Val
106          50          55          60
109 Ser Ser Thr Asp Phe Ala Gly Lys His Met Leu Leu Met Phe Gly Phe
110 65          70          75          80
113 Ser Ser Cys Lys His Ile Cys Pro Ala
114          85
117 <210> SEQ ID NO: 4
118 <211> LENGTH: 15
119 <212> TYPE: PRT
120 <213> ORGANISM: Anaplasma phagocytophilum
123 <220> FEATURE:
124 <221> NAME/KEY: MISC_FEATURE
125 <222> LOCATION: (1)..(15)
126 <223> OTHER INFORMATION: MSP5 signal peptide
128 <400> SEQUENCE: 4
130 Met Lys Thr Phe Lys Thr Val Ser Asn Leu Leu Leu Leu Val Ala
131 1          5          10          15

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/696,019A

DATE: 08/20/2004
TIME: 11:53:46

Input Set : A:\pto.lm.txt

Output Set: N:\CRF4\08202004\J696019A.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 6

VERIFICATION SUMMARY

DATE: 08/20/2004

PATENT APPLICATION: US/10/696,019A

TIME: 11:53:46

Input Set : A:\pto.lm.txt

Output Set: N:\CRF4\08202004\J696019A.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date